

AMENDMENTS

1-13 (Canceled)

14. (Currently Amended) A system for connecting a cellular telephone located in a mobile vehicle to a stationary mobile ~~telephone~~ radio network, comprising:

at a stationary position, (a) a device for transmitting and receiving IP data to and from a corresponding device of the mobile vehicle, (b) a device for converting the IP data into mobile radio data and conversely, and (c) a device for transmitting and receiving the mobile radio data to and from the stationary mobile radio network; and

on board the mobile vehicle, (d) a device for transmitting and receiving IP data to and from a ground station, (e) at least one mobile radio base station, configured to generate at least one local mobile radio pico cell, wherein the local mobile radio pico cell does not depend on a position of the vehicle relative to a ground based stationary mobile radio network, and (f) a device for converting the mobile radio data into the IP data protocol and conversely and for transmitting and receiving the mobile radio data to and from the radio base station,

wherein the mobile vehicle is out of range of the stationary mobile radio network, and

wherein the mobile radio data is at least one of (i) GSM (Global System for Mobile communications), (ii) UMTS (Universal Mobile Telecommunications System) data and (iii) digital mobile radio data converted from analog speech data.

15. (Previously Presented) The system of claim 14, wherein the mobile radio base station forms a mobile radio pico cell on board the vehicle.

16. (Previously Presented) The system of claim 14 or 15, wherein the connection between the device (b) and the device (c) is established via the intranet of the vehicle.

17. (Previously Presented) The system of claim 14 or 15, wherein the device (b) comprises an IP call manager.

18. (Previously Presented) The system of claim 14 or 15, wherein the device (c) is configured for transmitting or receiving via one or more switching stations.

19. (Previously Presented) The system of claim 18, wherein the switching stations comprise satellites.

20. (Previously Presented) The system of claim 14 or 15, wherein the device (d) is configured for transmitting or receiving via one or more switching stations.

21. (Previously Presented) The system of claim 20, wherein the switching stations comprise satellites.

22. (Previously Presented) The system of claim 14 or 15, wherein the connection between the device (d) and the device (e) is established via the Internet.

23. (Previously Presented) The system of claim 20, wherein the connection between the device (d) and the device (e) is established via the Internet.

24. (Previously Presented) The system of claim 14 or 15, wherein the device (e) comprises an IP call manager.

25. (Previously Presented) The system of claim 14 or 15, wherein the device (f) transmits or receives the mobile radio data wirelessly or wire-connected to or from the stationary mobile radio network.

26. (Previously Presented) The system of claim 14 or 15, comprising a plurality of devices (e) and (f) which are arranged spatially spaced apart in areas of different stationary mobile radio networks.

27. (Currently Amended) A method for connecting a cellular phone located in a mobile vehicle to a stationary mobile radio network, comprising:

(a) logging-in the cellular phone at a local mobile radio cell which is formed by a mobile radio base station arranged on board the vehicle;

(b) converting the mobile radio data into IP data and conversely;
(c) transmitting or receiving the IP data to or from a ground station;
(e) converting the IP data into mobile radio data and conversely; and
(f) transmitting or receiving the mobile radio data to or from the stationary mobile radio network,

wherein the local mobile radio cell does not depend on a position of the vehicle relative to a ground based stationary mobile radio network,

wherein the mobile vehicle is out of range of the stationary mobile radio network, and
wherein the mobile radio data is at least one of (i) GSM (Global System for Mobile communications), (ii) UMTS (Universal Mobile Telecommunications System) data and (iii) digital mobile radio data converted from analog speech data.

28. (Previously Presented) The system of claim 14 or 15, wherein the mobile radio base station forms a GSM pico cell onboard the vehicle.

29. (Previously Presented) The system of claim 14 or 15, wherein the mobile radio data is either (i) GSM (Groupe Spécial Mobile or “Global System for Mobile communications”) or (ii) UMTS (Universal Mobile Telecommunications System) data.

30. (Previously Presented) The method of claim 27, wherein the local mobile radio cell is a GSM pico cell onboard the vehicle.

31. (Previously Presented) The method of claim 27, wherein the mobile radio data is either (i) GSM (Groupe Spécial Mobile or “Global System for Mobile communications”) or (ii) UMTS (Universal Mobile Telecommunications System) data.